

10/562965

V-Si molecular sieve and its synthesis

1AP20 Rec'd PCT/PTO 30 DEC 2005

Patent number: CN1175482
Publication date: 1998-03-11
Inventor: HE CHANGQING (CN); YANG LIXIN (CN); JIANG ZENGQUAN (CN)
Applicant: DALIAN CHEMICAL PHYSICS INST (CN)
Classification:
- **international:** B01J29/26
- **european:**
Application number: CN19960115567 19960830
Priority number(s): CN19960115567 19960830

Report a data error here

Abstract of CN1175482

A V-Si molecular sieve having a structure similar to ZSM-12 has a structural formula: $nR.(SixVy)O_2$, where R is ammonium hydroxide tetraethyl, n is mole number and equal to 0.01-0.5, x is mole number of Si, y is mole number of V, $x+y=1$, $x=0.950-0.999$ and $y=0.001-0.050$. Said molecular sieve is directly prepared by hydrothermal synthesis in the absence of alkali-metal cation and using ammonium hydroxide tetraethyl as template agent, and has excellent catalytic performance for selective oxidation of hydrocarbon.

Data supplied from the **esp@cenet** database - Worldwide

BEST AVAILABLE COPY